Summary of the working program of the academic discipline

«EMERGENCIES IN THERAPY»

(name of the academic discipline)

General Educational Program of higher education (<u>specialist's degree programms</u>) **GENERAL MEDICINE** (31.05.01)

code, name of the specialty

Department: Faculty of International Medical Education

Department of Endocrinology and Internal Medicine

1. The purpose of mastering the discipline (participation in the formation of relevant competencies – specify the codes):

1.1 The purpose of mastering the discipline "Emergency conditions in therapy"

As a result of mastering the discipline program, a graduate should have universal, general professional and professional competencies: CC - 1,4,5; OPC - 1,4,5,10; PC - 5,6,7, necessary to achieve work functions in accordance with the Professional standard of a medical doctor (district therapist)

Universal competencies:

Systemic and critical thinking (category)

CC-1 is able to carry out a critical analysis of problematic situations based on a systematic approach, to develop a strategy of actions

Communication.

UK-4 is able to apply modern communication technologies, including in a foreign language, for academic and professional interaction

Cross-cultural interaction

UK-5 is able to analyze and take into account the diversity of cultures in the process of intercultural interaction

General professional competencies:

Ethical and legal foundations of professional activity.

OPK-1 is able to implement moral and legal norms, ethical and deontological principles in professional activity

Diagnostic instrumental methods of examination

OPK-4 is capable of using medical devices provided for by the procedure for providing medical care, as well as conducting examinations of the patient in order to establish a diagnosis

Etiology and pathogenesis

OPK-5 is able to evaluate morphofunctional, physiological states and pathological processes in the human body to solve professional tasks

Information literacy

OPK-10 is able to solve standard tasks of professional activity using information, bibliographic resources, medical and biological terminology, information and communication technologies, taking into account the basic requirements of information security.

Professional:

Conducting a patient examination in order to establish a diagnosis (labor function)

PC-5 is able to collect complaints, anamnesis of the patient's life and illness, conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation), formulate a preliminary diagnosis and make a plan for laboratory and instrumental examinations of the patient

The PC-6 is able to refer the patient for laboratory, instrumental examination, for consultation with specialist doctors if there are medical indications in accordance with the current procedures for providing medical care, on issues of providing medical care taking into account the standards of medical care, as well as to refer the patient for specialized medical care in inpatient conditions or in a day hospital when availability of medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care

PC-7 is able to carry out differential diagnostics with other diseases/conditions, including urgent ones, to establish a diagnosis taking into account the current international statistical classification of diseases and health-related problems (ICD)1. The purpose and objectives of mastering the academic discipline ______ (hereinafter – the discipline):

1.2. Objectives of the discipline:

- 1. To form knowledge of symptoms, syndromes, features of anamnesis, modern methods of clinical, laboratory and instrumental examination of patients with diseases of internal organs; etiology, pathogenesis, clinical manifestations, features of the course and possible complications occurring in typical form in adult patients of various age groups; diagnostic criteria of diseases and emergency conditions; methodology of diagnosis in accordance with the modern International Statistical Classification of Diseases ICD-10 (11)
- 2. To form the ability to determine the status of the patient: to collect anamnesis, to conduct a survey of the patient and / or his relatives, to conduct a physical examination of the patient (examination, palpation, percussion, auscultation, blood pressure measurement, etc.); to conduct an initial examination of all body systems.
- 3. To form skills: evaluation of the results of physical examination of patients with diseases of internal organs; interpretation of the results of laboratory, instrumental diagnostic methods; drawing up an algorithm for making a detailed clinical diagnosis in accordance with the modern International Statistical Classification of Diseases ICD-10 (11)
- 4. To provide the opportunity to acquire practical experience in the diagnosis of diseases of internal organs in a simulation center

Upon completion of the course of Propaedeutics of internal diseases, which includes a series of lectures, clinical practical classes, independent work, the student must: Know:

- Algorithm of examination of therapeutic patients, rules and stages of examination of the patient, physical methods of examination of the patient;
- Anatomical and physiological, age and sexual characteristics of a healthy and sick person;
- The causes of the main pathological processes in the body and the mechanisms of their development; etiology, pathogenesis and preventive measures of the most common diseases;
- The main clinical symptoms and syndromes of diseases of internal organs, urgent conditions in patients with various therapeutic diseases, taking into account their course;
- Symptomatology of the most common diseases of internal organs, clinical picture, features of the course and possible complications of the most common diseases occurring in a typical form in different age groups;
- Classical diagnostic methods, their diagnostic capabilities in the examination of a patient with a therapeutic profile, modern methods of clinical, laboratory,

instrumental examination of patients (immunological, endoscopic, radiation diagnostic methods);

- Methodology of diagnosis, diagnostic criteria. Principles of clinical diagnosis in a therapeutic patient in accordance with the modern International Statistical Classification of Diseases ICD-10 (11);
- The structure of the medical history and the rules for filling it out and maintaining;
- Lexical minimum of general and terminological character, basic medical terminology in Latin and foreign languages;
- Principles of ethics and deontology, rules of conduct of a doctor with colleagues, with secondary and junior medical staff, with a patient, with his relatives;
- Factors shaping human health; diseases associated with the adverse effects of climatic and social factors.

Be able to:

- Conduct a survey of the patient or his relatives, collect anamnesis of life and history of the disease in order to determine the status of the patient and obtain complete information about the disease, establishing possible causes of its occurrence in typical cases;
- Assess the factors affecting the patient's physical and psychological health: professional, environmental, cultural, ethnic, religious, individual, family, social risk factors;
- Conduct a clinical examination of patients using physical methods (examination, percussion, palpation, auscultation, measurement of blood pressure, respiratory rate, pulse) and identify objective signs of the disease;
- Conduct an initial examination of the patient's systems and organs;
- Identify the main pathological symptoms and syndromes, urgent conditions in patients with various therapeutic diseases, taking into account their course and substantiate them:
- Establish, substantiate and formulate a clinical diagnosis of the most common diseases of internal organs occurring in a typical form in accordance with the International Classification of Diseases ICD 10 (11);
- Assess the patient's condition and priorities for making a decision on the need to provide him with medical care: critical condition, pain syndrome, chronic disease, infectious disease, disability, geriatric problems;
- To plan the volume of additional laboratory and instrumental studies in accordance with the prognosis of the disease, to clarify the diagnosis and obtain a reliable result;
- Decipher typical ECGs in 12 leads of a healthy person, as well as patients with the most frequent rhythm and conduction disorders, with ventricular myocardial hypertrophy, acute myocardial infarction and chronic forms of coronary artery disease;
- Evaluate the results of a general blood test, urine, sputum, feces, pleural effusion, as well as a biochemical blood test;
- To determine changes in the main pulmonary syndromes from the radiograph of the lungs;
- Evaluate the results of ultrasound examination of internal organs and the results of echocardiography;
- Present the results of the examination of the patient in the form of a medical history with justification of the preliminary diagnosis, registration of a temperature sheet and drawing up a plan for further examination of the patient. To report the patient's medical history at a medical conference;
- Work with scientific and medical literature;
- Make a public presentation, report, and lead a discussion;

- To train patients and their relatives in basic hygienic measures of a health-improving nature, skills of self-control of basic physiological indicators that contribute to the preservation and promotion of health, disease prevention.
- To carry out their activities taking into account the moral, ethical and legal norms accepted in society, to keep medical secrets;
- Build and maintain working relationships with other members of the team; protect the rights of the doctor and the patient;
- Work with texts of professional content in a foreign language, use at least 900 terminological units and term elements;

Have practical experience:

- Applying medical knowledge in practice;
- Communication with medical personnel, with patients and their relatives, taking into account ethnic, confessional and cultural differences, ethical and deontological aspects of medical activity;
- Work with patients to inform them and their relatives in accordance with the requirements of the "informed consent" rules;
- The use of foreign languages to the extent necessary for communication and obtaining information from foreign sources, reading and writing skills in Latin clinical and pharmaceutical terms and recipes;
- Work with modern medical scientific literature and regulatory documents;
- Collaboration with colleagues of related specialties;
- Conducting a physical general clinical examination of the patient (survey, examination, palpation, percussion, auscultation, blood pressure measurement, assessment of pulse characteristics, respiration, ECG);
- Filling in the inpatient patient's medical history;
- Carrying out diagnostic measures of pathological symptoms and syndromes, urgent conditions in patients with various therapeutic diseases, taking into account their course;
- Interpretation of the results of laboratory, instrumental studies and methods of radiation diagnostics;
- Making a clinical diagnosis in a therapeutic patient, taking into account generally accepted requirements and the International Classification of Diseases ICD10 (11);
- Development of a plan of therapeutic and preventive measures taking into account the peculiarities of the development and course of the disease;
- Work on teaching patients and their relatives basic hygienic measures of a health-improving nature, skills of self-control of basic physiological indicators that contribute to the preservation and promotion of health, disease prevention.;
- Work on a personal computer using modern statistical programs of medical statistics and analysis.

2. Position of the academic discipline in the structure of the General Educational Program (GEP).

- 2.1. The discipline belongs to the academic cycle of Block 1 of the Discipline (modules), the variable part, the discipline of choice B1.V.DV.1 The discipline is studied in the fifth semester.
- 2.2. To study the discipline requires knowledge, skills and practical experience formed by previous disciplines and practices: physics, mathematics, chemistry, bioorganic chemistry, biology, anatomy, patient care, biochemistry, clinical aspects of biochemistry, normal physiology, methods of research of physiological functions, pathological physiology, clinical pathophysiology, pathological anatomy, clinical

pathological anatomy, pharmacology, first aid, educational practice – patient care of therapeutic profile.

2.3. The study of the discipline is necessary to gain knowledge, skills and practical experience formed by subsequent disciplines and practices: faculty therapy, occupational diseases, polyclinic therapy, hospital therapy, endocrinology, infectious diseases, rheumatology, gastroenterology, fundamentals of emergency care, industrial practice – physician assistant, industrial practice – assistant physician outpatient clinic.

3. Deliverables of mastering the academic discipline and metrics of competence acquisition

Mastering the discipline aims at acquiring the following universal (UC) or/and general

professional (GPC) or/and professional (PC) competencies

profession	nai (G	(PC) or/and profession	onal (PC) competencies			
		The content of	Code and name of	As a result the students	_	the discipline,
nce co	-	the competence (or its part)	the competence acquisition metric	know	be able to	possess
UC-	1	is able to carry out a critical analysis of problem situations based on a systematic approach, to develop a strategy for actions of	1. IUK 1.1 Knows: methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis IUK 1.2 is able to: gain new knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional field; search for information and solutions based on actions, experiment and experience IUK 1.3 Has practical experience: researching the problems of professional activity using analysis, synthesis and other methods of intellectual activity; developing strategies for solving professional problems methods of critical analysis and evaluation	methods of critical analysis and evaluation of modern scientific achieveme nts; basic principles of critical analysis	to gain new knowledge based on analysis, synthesis, etc.; to collect data on complex scientific problems related to the profession al field; to search for informatio n and solutions based on actions, experiment and experience	research of the problem of professional activity with the use of analysis, synthesis and other methods of intellectual activity; development of an action strategy for solving professional problems

		of modern scientific			
		achievements; basic			
		principles of critical			
		analysis to gain new			
		knowledge based on			
		analysis, synthesis,			
		etc.; collect data on			
		complex scientific			
		_			
		problems related to to			
		the professional field;			
		to search for			
		information and			
		solutions based on			
		actions, experiment			
		and experience			
UC-4	is able to apply	4.1 Knows: the	fundame	express	writing
	modern	basics of oral and	ntals of	your	skills related
	communication	written communication	oral and	thoughts in	to
	technologies,	in Russian and foreign	written	Russian	professional
	including in a	languages, functional	communic	and a	activity;
	foreign	styles of the native	ation in	foreign	experience in
	language(s), for	language, requirements	Russian	language	translating
	academic and	for business	and	in business	medical texts
	professional	communication,	foreign	communic	from a
	interaction	modern means of	languages,	ation	foreign
	interaction	information and	functional	ation	language into
		communication	styles of		Russian;
		technologies	the native		experience in
		IUK 4.2 Can:	language,		speaking
		express your thoughts	requireme		Russian and
		in Russian and a	nts for		foreign
		foreign language in	business		languages
		business	communic		
		communication	ation,		
		Russian Russian	modern		
		Specialist	means of		
		4.3 Has practical	informatio		
		experience: drafting	n and		
		texts in Russian and	communic		
		foreign languages	ation		
		related to professional	technologi		
		activities; experience	es		
		in translating medical	CS		
		texts from a foreign			
UC-5	is able to	language into Russian; IUK5.1Knows: the	the main	to	skills of
UC-3			the main	to	
	analyze and take	main categories of	categories	present	productive
	into account the	philosophy, the laws of	of	profession	interaction in
	diversity of	historical	philosophy	al	a
	cultures in the	development, the	, the laws	informatio	professional
	process of	basics of intercultural	of	n	environment,
	intercultural	communication; the	historical	competentl	taking into

	1			1 1	1 .	
		interaction of	basic concepts of	1	y and in an	account
			human interaction in	nt, the	accessible	national,
			the organization	basics of	manner in	ethno-
			5.2 will be able to:	intercultur	the process	cultural,
			present professional	al	of	confessional
			information	communic	intercultur	characteristic
			competently and in an	ation; the	al	s;
			accessible manner in	basic	interaction	overcoming
						_
			the process of	concepts	; to	communicati
			intercultural	of human		ve,
			interaction; observe	interaction	ethical	educational,
			ethical norms and	in the	norms and	ethnic,
			human rights; analyze	organizatio	human	confessional
			the features of social	n	rights; to	and other
			interaction taking into		analyze the	barriers in
			account national,		features of	the process
			ethno-cultural,		social	of
			confessional		interaction	intercultural
			characteristics		taking into	interaction
					_	micraction
			IUK 5.3 Has		account	
			practical experience in:		national,	
			productive interaction		ethno-	
			in a professional		cultural,	
			environment, taking		confession	
			into account national,		al	
			ethno-cultural,		characteris	
			confessional		tics	
			characteristics;			
			overcoming			
			communicative,			
			educational, ethnic,			
			, , , , , , , , , , , , , , , , , , ,			
			confessional and other			
			barriers in the process			
			of intercultural			
			interaction.			
	OPC-1	is able to	IOPK 1.1 Knows:	legal	apply	practical
		implement moral	fundamentals of	aspects of		experience:
		and legal norms,	medical ethics and	medical	norms of	solving
		ethical and	deontology;	activity to	interaction	standard
		deontological	fundamentals of	apply	of a doctor	tasks of
		principles in	legislation in the field	ethical	with	professional
		professional	of healthcare; legal	norms and	colleagues	activity
					and	
		activity	1	principles		
			activity	of	patients	ethical norms
			IOPC 1.2 is able to:	behavior	(their legal	and
			apply ethical norms	of a	representat	deontological
			and principles of	medical	ives)	principles
			behavior of a medical	worker		when
			worker in the	when		interacting
			performance of their	performing		with
			professional duties;	their		colleagues
			knowledge of modern	profession		and patients
ш			Knowicage of modelli	broression		and patients

		legislation in the field	al duties;		(their legal
		of healthcare in	knowledge		representativ
		solving professional	of modern		es),
		tasks; apply rules and	legislation		knowledge of
		norms of interaction of	in the field		legal aspects
		a doctor with	of		of medical
		colleagues and patients	healthcare		activity
		(their legal	when		,
		representatives)	solving		
		IOPK 1.3 Has	problems		
		practical experience:	of		
		solving standard tasks	profession		
		of professional activity	al activity;		
		on the basis of ethical	di dictivity,		
		norms and			
		deontological			
		principles when			
		interacting with			
		colleagues and patients			
		(their legal			
		representatives),			
		knowledge of legal			
		aspects of medical			
		activity			
OPC-4	is able to use	IOPK 4.1 Knows the	collect	collect	collection
0101	medical devices			complaints	of
	provided for by	23	anamnesis	anamnesis	complaints,
	the procedure for		of life and	of life and	anamnesis of
	providing	complaints from	disease in	disease in	life and
	medical care, as	_	patients	patients	disease in
	well as to		_ -	-	
	conduct	methodology of			-
	examinations of		ives),	ives),	representativ
	the patient in	physical examination;	identify	identify	es),
	order to establish	clinical picture,	risk factors	risk factors	identification
	the diagnosis	methods of diagnosis	and causes	and causes	of risk
	<i>5</i>	of the most common	of	of	factors and
		diseases; methods of	diseases;	diseases;	causes of
		laboratory and	apply	apply	diseases;
		instrumental studies to	methods of	methods of	examination
		assess the state of	examinatio	examinatio	and physical
		health, medical	n and	n and	examination
		indications for	physical	physical	of patients;
		conducting research,	examinatio	examinatio	diagnosis of
		rules for interpreting	n of	n of	the most
		their results;	patients;	patients;	common
		international statistical	interpret	interpret	diseases;
		classification of	the results	the results	identification
		diseases and health-	of	of	of risk
		related problems	examinatio	examinatio	factors for
		(ICD); conditions	n and	n and	major
		requiring emergency	physical	physical	oncological

medical care: the procedure for the use of medical devices in accordance with current medical clinical procedures, recommendations (treatment protocols) on the provision of medical care, care taking into account the standards of medical care

IOPC 4.2 is able to: complaints, collect anamnesis of life and disease in patients legal (their representatives), identify risk factors and causes of disease development; apply methods of examination and examination physical of patients; interpret results the of examination and physical examination of patients; diagnose the most common pathology in patients; identify risk factors for cancer; formulate a preliminary diagnosis, make a plan conducting laboratory, instrumental and additional studies in patients in accordance with the procedures for providing medical clinical care. recommendations, taking into account the standards of medical care; refer patients to laboratory, instrumental and additional studies in accordance with the current procedures for

examinatio of patients; diagnose the most common pathology in patients; identify risk factors for oncologica 1 diseases; formulate preliminar y diagnosis, make a plan for conducting laboratory, instrument and additional studies in patients in accordance with the procedures for providing medical care, clinical recommen dations, taking into account the standards of medical care; refer patients to laboratory, instrument al and additional studies accordance

with

current

the

examinatio of n patients; diagnose the most common pathology in patients; identify risk factors for oncologica 1 diseases; formulate preliminar y diagnosis, make a plan for conducting laboratory, instrument al and additional studies in patients in accordance with the procedures for providing medical care. clinical recommen dations, taking into account the standards of medical care; refer patients to laboratory, instrument al and additional studies in accordance with the current

diseases; formulation of preliminary diagnosis, drawing up a plan instrumental, laboratory, additional studies, consultations of specialist doctors; referrals of patients for instrumental, laboratory, additional studies. consultations of specialist doctors accordance with current medical care procedures, clinical recommendat ions, taking into account medical care standards; interpretation of data from additional (laboratory and instrumental) examinations of patients; making preliminary diagnosis in accordance with the international statistical classification ofdiseases healthand related

providing medical clinical care, recommendations, taking into account the standards of medical care; refer patients for consultations with specialist doctors in accordance with the procedures for medical providing care. clinical recommendations, taking into account the standards of medical care: interpret and analyze the results of consultations by specialist doctors of patients; interpret and analyze the results of basic (clinical) additional (laboratory, instrumental) examination methods; conduct differential diagnosis of diseases in patients; to identify clinical signs of sudden acute diseases, conditions. exacerbations of chronic diseases without obvious signs life-threatening, requiring medical care in an urgent form; to use medical devices in accordance with medical current procedures, clinical recommendations (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care **IDOPK** 4.3 Has practical experience in: collecting complaints, anamnesis of life and

procedures procedures for for providing providing medical medical care, care, clinical clinical recommen recommen dations, dations, taking into taking into account account the the standards standards of medical of medical care; refer care; refer patients for patients for consultatio consultatio ns with ns with specialist specialist doctors in doctors in accordance accordance with with the the procedures procedures for for providing providing medical medical care, care, clinical clinical recommen recommen dations, dations, taking into taking into account account the the standards standards of medical of medical care; care; interpret interpret and and analyze the analyze the results results of consultatio consultatio ns ns by specialist specialist doctors of doctors of patients; patients; interpret interpret and and analyze the analyze the results results of basic basic (clinical) (clinical) and and additional additional

problems (ICD); differential diagnosis of diseases; recognition of conditions arising from sudden acute diseases. exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring medical care in an urgent form; the use of medical devices accordance with current medical procedures, clinical recommendat ions (treatment protocols) on the provision of medical care. care taking into account the standards of medical care

disease patients in (their legal representatives), identifying risk factors and causes of disease development; examination and physical examination of patients; diagnosis of the most common diseases; identification of risk factors oncological major diseases; formulation of preliminary a diagnosis, drawing up a plan for instrumental, laboratory, additional studies, consultations of specialist doctors; referrals of patients for instrumental, laboratory, additional studies, consultations of specialist doctors in accordance with current medical care procedures, clinical recommendations, taking into account medical care standards; interpretation of data from additional (laboratory and instrumental) examinations of patients: making preliminary diagnosis in accordance with the international statistical classification of diseases and healthrelated problems (ICD); differential diagnosis of diseases; recognition conditions arising from sudden acute diseases, exacerbation chronic diseases without obvious signs

(laboratory (laboratory instrument instrument al) al) examinatio examinatio n methods: n methods; conduct conduct differential differential diagnosis diagnosis of diseases of diseases in patients; in patients; to identify to identify clinical clinical signs of signs of sudden sudden acute acute diseases, diseases, conditions, conditions, exacerbati exacerbati ons ons ofchronic chronic diseases diseases without without obvious obvious of of signs signs lifelifethreatening threatening , requiring , requiring medical medical care in an care in an urgent urgent form; form; to to use use medical medical devices in devices in accordance accordance with with current current medical medical procedures procedures clinical clinical recommen recommen dations dations (treatment (treatment protocols) protocols) on on the provision provision of medical of medical care. care, assistance assistance taking into taking into account account

of a threat to the the the patient's life standards standards and of medical requiring medical care of medical in an urgent form; the care care use of medical devices in accordance with current medical clinical procedures, recommendations (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care methods of collecting anamnesis of life and diseases, complaints from patients (their legal representatives); methods of examination and physical examination; clinical picture, methods of diagnosis of the most common diseases; methods of laboratory and instrumental studies to assess the state of health, medical indications for conducting research, rules for interpreting their results; international statistical classification diseases and healthrelated problems (ICD); conditions requiring urgent medical care; the procedure for the use of medical devices in accordance with the current procedures for the provision medical care, clinical recommendations (treatment protocols) on the provision of medical care,

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			assistance taking into			
			account the standards			
			of medical care			
	OPC-5	is able to	IOPK-5.1 Knows:	anatomy,	to	to check
		assess	anatomy, histology,	histology,	evaluate	the main
		morphofunctiona	embryology,	embryolog	the main	morphofuncti
		l, physiological	topographic anatomy,	y,	morphofun	onal data,
		conditions and	physiology,	topographi	ctional	physiological
		pathological	pathological anatomy	c anatomy,	data,	conditions
		processes in the	and physiology of	physiology	physiologi	and
		human body to	human organs and	physiology	cal	pathological
		solve	systems	pathologic	conditions	processes in
		professional	IOPC 5. 2 is able to:	al anatomy	and	the human
		tasks,	evaluate the basic	and	pathologic	body
		tasks,	morphofunctional data,	physiology	al	body
			physiological states	of human	processes	
			and pathological	organs and	in the	
			processes in the human	systems	human	
			body	Systems	body	
			IOPK5. 3. Has		Joury	
			practical experience:			
			assessment of basic			
			morphofunctional data,			
			physiological			
			conditions and			
			pathological processes			
			in the human body			
			when solving			
	05010		professional tasks			
	OPC-10	is able to solve	OPK10. 1.Knows:	to master	to apply	to master
		standard tasks of	the capabilities of	11.	modern	and apply
		professional	reference information		informatio	modern
		activity using	systems and	informatio	n and	information
		information,	professional databases;	n and	communic	and
		bibliographic	methods of	communic	ation	communicati
		resources,	information retrieval,	ation	technologi	on
		biomedical	information and	technologi	es to solve	technologies
		terminology,	communication	es in	the tasks	in
		information and	technologies; modern	profession	of	professional
		communication	medical and biological	al activity,	profession	activity,
		technologies,	terminology;	taking into	al activity;	taking into
		taking into	fundamentals of	account	to carry	account the
		account the basic	information security in	the basic	out an	basic
		requirements of	professional activities	requireme	effective	requirements
		information	IOPC10. 2.He is able	nts of	search for	of
		security a	to: apply modern	informatio	informatio	information
			information and	n security	n	security
			communication		necessary	
			technologies to solve		to solve	
			the tasks of		the tasks	
			professional activity;		of	
			carry out an effective		profession	
<u> </u>			isary sat all officerive	<u> </u>	F1010001011	

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			search for information		al activity	
			necessary to solve the		using	
			tasks of professional		reference	
			activity using		systems	
			reference systems and		and	
			professional databases;		profession	
			use modern medical		al	
			and biological		databases;	
			terminology; master			
			and apply modern		modern	
			information and		medical	
			communication		and	
			technologies in		biological	
			professional activity,		terminolog	
			taking into account the		У	
			basic requirements of			
			information security			
			IOPC 10 3. Has			
			practical experience in			
			the use of modern			
			information and			
			bibliographic			
			resources, the use of			
			special software and			
			automated information			
			systems to solve			
			standard tasks of			
			professional activity,			
			taking into account the			
			basic requirements of			
			information security,			
			the possibilities of			
			reference information			
			systems and			
			professional databases;			
			methods of			
			information retrieval,			
			information and			
			communication			
			technologies; modern			
			medical and biological			
			terminology;			
			fundamentals of			
			information security in			
			professional activity			
	PC-5	is able to	IPK 5.1 Knows: The	The	regulariti	collecting
	- -	collect	legislation of the	legislation	es of	complaints,
		complaints,	Russian Federation in	of the	functionin	anamnesis of
		anamnesis of the	the field of health	Russian	g of a	the patient's
		patient's life and	protection, regulatory		healthy	life and
		illness, conduct a	legal acts and other		human	illness and
		full physical	documents defining		body and	analyzing the
		i pilysical	documents defining	or nearm	body and	anaryzing the

examination of the patient (examination, palpation, percussion, auscultation), formulate a preliminary diagnosis and draw up a plan laboratory for and instrumental examinations of the patient

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healthy human body and mechanisms ensuring health from the standpoint of the theory of functional systems; features of regulation of functional systems of the human body in pathological processes; methods of laboratory and instrumental studies to assess the state of health, medical indications research, rules for interpreting their results

IPK 5.2 is able to: complaints, collect anamnesis of the patient's life and illness and analyze information received; conduct a complete examination physical of the patient (examination, palpation, percussion, protection, regulatory legal acts and other documents defining the activities of medical organizatio and medical workers; the method of failure, anamnesis of life and disease of the patient; the method of complete physical examinatio n of the patient (examinati on. palpation, percussion, auscultatio n); etiology, pathogenes is pathomorp hology, clinical picture, differential diagnosis, features of the course, complicati ons and outcomes of diseases of internal

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information received: conduct full physical examination of the patient (examination palpation, percussion, auscultation) and interpret its results: determining the order of the volume, content and sequence of diagnostic measures

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PC-7	is able to carry	IPK 7.1 Knows:	etiology,	analyze	interpretati
	out differential	etiology, pathogenesis	pathogenes	the results	on of the
	diagnostics with	and pathomorphology,	is and	of the	results of
	other	clinical picture,	pathomorp	patient's	collecting
	diseases/conditio	differential diagnosis,	hology,	examinatio	information
	ns, including	features of the course,	clinical	n, if	about the
	urgent ones, to	complications and	picture,	necessary,	patient's
	establish a	outcomes of diseases	differential	justify and	disease;
	diagnosis taking	of internal organs;	diagnosis,	plan the	interpretation
	into account the	methods of	features of	scope of	of data
	current	laboratory and	the course,	additional	obtained
	international	instrumental studies to	complicati	studies;	during
	statistical	assess the state of	ons and	interpret	laboratory
	classification of	health, medical	outcomes	the results	examination
	diseases and	indications for	of diseases	of	of the
	health-related	conducting research,	of internal	collecting	patient;
	problems (ICD)	rules for interpreting	organs;	informatio	interpretation
		their results; ICD	methods	n about the	of data
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		analyze the results of	laboratory	disease;	during
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		examination, if	instrument	the data	examination
		necessary, justify and	al studies	obtained	of the
		plan the scope of	to assess	during the	patient;
		additional studies;	the state of	laboratory	interpret data
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		disease; interpret the	for	interpret	of the patient
		data obtained during	conducting	the data	by specialist
		the laboratory	research,	obtained	doctors;
		examination of the	rules for		differential
		patient; interpret the	interpretin	instrument	diagnosis of
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		examination of the	ICD	n of the	organs from
		patient; interpret the		patient;	other
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		patient by specialist		obtained	
		doctors; carry out		during the	
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		diseases		specialist	
				doctors; to	
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studies	

4. Volume of the academic discipline and types of academic work

Type of educational work	Labor i	ntensity	Labor intensity (AH) in semesters			esters
	volume in	volume in				
	credit units	academic	4	5	6	
	(CU)	hours (AH)				
Classroom work, including	1,22	44	-	44		
Lectures (L)	0,28	10	-	10		
Laboratory practicum (LP)*	-	-	-	-	-	
Practicals (P)	-	-	-	-	-	
Seminars (S)	0,94	34	-	34	-	
Student's individual work (SIW)	-	-	-	-	-	
Mid-term assessment	0,78	28	-	28		
credit/exam (specify the type)						
TOTAL LABOR INTENSITY	-	-		-		
		зачет		зачет		

${\bf 5.}$ Sections of the academic discipline and competencies that are formed when mastering them

Compete nce code	Section name of the discipline	The content of the section in teaching units
UC- 1,4,5 OPK- 1,4,5,10 PK-5,6.7	Urgent conditions in diseases of the respiratory system	Urgent conditions in pulmonology. Bronchial asthma attack, asthmatic status. Spontaneous and valvular pneumothorax. Pulmonary hemorrhage. Acute respiratory failure. Acute respiratory distress syndrome. Causes, mechanisms of development, clinical manifestations, diagnostic methods, emergency care.

UC-1,4,5 OPK- 1,4,5,10 PK-5,6.7	Urgent conditions in diseases of the cardiovascular system	Urgent conditions in cardiology. Pulmonary embolism. Acute cardiac arrhythmias and conduction disorders. Acute vascular insufficiency. Acute coronary insufficiency. Acute left ventricular failure (cardiac asthma). Hypertensive crisis. Sudden death. Causes, mechanisms of development, clinical manifestations, diagnostic methods, emergency care.
UC-1,4,5 OPK- 1,4,5,10 PK-5,6.7	Urgent conditions in diseases of the digestive system	Urgent conditions in gastroenterology. Biliary colic. Acute bleeding from the digestive tract. Hepatic encephalopathy and coma.
UC-1,4,5 OPK- 1,4,5,10 PK-5,6.7	Urgent conditions in diseases of the endocrine system	Urgent conditions in diseases of the endocrine system. Thyrotoxic crisis. Hypothyroid coma. Acute insufficiency of the adrenal cortex. Hypoglycemic conditions. Diabetic ketoacidosis and ketoacidotic coma. Hyperosmolar coma. Lactic acid coma.
UC-1,4,5 OPK- 1,4,5,10 PK-5,6.7	Urgent conditions in the clinic of internal diseases	Urgent conditions in the clinic of internal diseases. Infectioustoxic shock. Hypovolemic shock. Anaphylactic shock.